ORDER NO. VED0106314A5

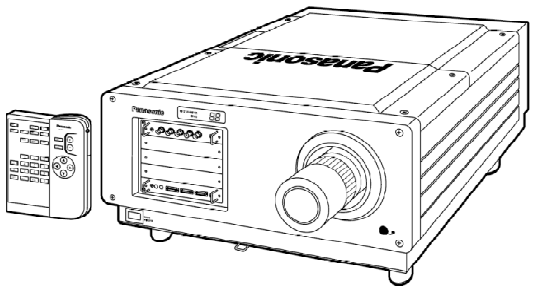
Service Manual

DLP ™ based Projector

Simplified

PT-D8600U / PT-D8600E

Please use this manual together with the service manual for *Model No.PT-D8500U/PT-D8500E, Order No.VED0103309C5.*



SPECIFICATIONS

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The service technician is required to read and follow the "Safety Precautions" and "Important Safety Notice" in this service Manual.

Specifications

Power Supply:
200 V – 240 V AC (single-phase, 3-wire), 11 A (Max.)
Power consumption:
1.9 kW, Approx. 2.8 W during standby (when cooling fan is stopped)
Operating environment temperature:
0 °C – 40 °C : NORMAL lamp power
0 °C – 35 °C : HIGH lamp power
If the power is turned on when the temperature is around 0 °C, a warming-up time of about five minutes will be required before a picture can be projected.
Storage environment:
Temperature: –25 °C – 65 °C
Humidity: 10 % – 80 % (with no condensation)
DMD™ elements:
Element size: 0.9 inches (aspect ratio ; 5:4)
Display method: 3 DMD™ elements, DLP™ system
Pixels: 1 280 dots × 1 024 lines, (3 sheets)
Lamp:
1 200 W Xenon lamp
(recommended replacement period 1 000 hours)
Luminosity:
6 000 lm (ANSI): LAMP POWER NORMAL
7 000 lm (ANSI): LAMP POWER HIGH
Projection method:
Ceiling or Floor/Front or Rear (menu selectable)
Keystone compensation:
Max. elevation angle : ±10 ° or less
Optical axis shift volume:
Top and bottom : 10/0 – 0/10 (electromotion)
Left and right : 8/2 – 2/8 (electromotion)
Projection screen size:
Between 2.5 m(100") and 15 m(600") when separate zoom lens is fitted
Between 2.5 m(100") and 4.5 m(180") when separate fixed focus lens is fitted
Screen aspect ratio:
5:4 when separate zoom lens or fixed focus lens is fitted
Input signals:
Standard analog RGB input BNC termination × 5
Video signal input block Impedance: 75 Ω
Sync signal input block Impedance: 75 Ω
R/PR/Cr 0.7 V [p-p]
G/Y 0.7 V [p-p]
(1.0 V [p-p] when SYNC ON G/Y signal is input)
B/PB/Cb 0.7 V [p-p]
Composite sync 0.6 V [p-p] – 4.0 V [p-p]
Separate sync 0.6 V [p-p] – 4.0 V [p-p]
Analog RGB input signal
fH: 15 kHz–100 kHz, fV: 24 Hz–120 Hz,
dot clock frequency: 20 MHz–162MHz
Color difference input signal
Applicable formats: 480i, 576i, 480p, 720/60p, 1080/60i(1035/60i), 1080/50i, 1080/30p, 1080/25p, 1080/24p, 1080/24sF
With ET-MD95VM2 video signal (NTSC, NTSC4.43, PAL, SECAM, PAL-M, PAL60, PAL-N) input module (sold separately) installed

Video signal	1.0 V [p-p]	Impedance: 75 Ω BNC termination
Y signal	1.0 V [p-p]	Impedance: 75 Ω BNC termination
C signal	0.286 V [p-p]	Impedance: 75 Ω BNC termination
Cb signal	0.7 V [p-p]	Impedance: 75 Ω BNC termination
Cr signal	0.7 V [p-p]	Impedance: 75 Ω BNC termination

With serial digital input module (sold separately) installed

ET-MD95SD1	(for 480i/576i)	
SERIAL IN	(SMPTE259M)	BNC termination
SERIAL OUT	(SMPTE259M)	BNC termination
ET-MD95SD2	(for 480p/480i/576i)	
SERIAL MAIN IN/SUB IN (SMPTE259M/294M)		BNC termination
SERIAL MAIN OUT/SUB OUT (SMPTE259M/294M)		BNC termination
ET-MD95SD3	(for HD SDI)	
HD-SERIAL IN	(SMPTE292M)	BNC termination
HD-SERIAL OUT	(SMPTE292M)	BNC termination

With ET-MD95T TMDS input module (sold separately) installed
MDR26 connector
Applicable signals SVGA, XGA, SXGA
Contrast ratio:450:1 (100% black-and-white pattern)
Connection terminals
3 input module connection slots

Analog RGB input	BNC termination × 5
RS-232C input/output connectors	D-SUB 9-pin × 2 for computer control
REMOTE IN 1 connector	D-SUB 9-pin for external control
REMOTE 2 IN/OUT terminals	M3 pin jack × 2 For wired remote control unit and serial control

Power cord length: 2.5 m (8.2 ')
Cabinet: Aluminium, plastic (denatured)
Weight:80 kg (not including separate projection lens)
Dimensions:68 cm (W) × 39 cm (H)
[including legs] × 97.3 cm (D)
<**Remote control unit**>
Number of functions:
34 (including lighting function)
Power supply:
3 V DC (AA batteries × 4)
Operating range:
Within approx. 12 m / 39.3' directly in front of receptor (when operated as wireless unit)
Within 15 m / 49.2' (when operated as wired unit)
Weight:
Approx. 350 g (including batteries)
Dimensions
14.0 cm (W) × 3.6 cm (H) × 18.1 cm (L)
Accessories:

Remote control unit :	1
AA-size batteries:	4
Remote control cable (15 m):	1
Remote control unit strap:	1

Optional equipments:
Video signal input module
(NTSC, NTSC4.43, PAL, SECAM, PAL-M, PAL60, PAL-N): ET-MD95VM2
Serial digital input module (480i/576i):ET-MD95SD1
Serial digital input module (480p/480i/576i):ET-MD95SD2
Serial digital input module (HD SDI):ET-MD95SD3
TMDS input module :ET-MD95T
Projection zoom linses:ET-D95LE1, ET-D95LE2, ET-D95LE3
Projection fixed focal lens: ET-D95LE9
Replacement lamp unit: ET-LAD8500
Ceiling mount bracket:ET-PKD95
Dual stacking mount bracket: ET-DFD95

- Specifications are subject to change without notice.
- Weight and dimensions shown are approximate.

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⚠ WARNING

This service information is designed for experienced repair technicians only and is not designed for use by the general public.
It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product.
Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

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1. Differences between models PT-D8600U and PT-D8500U

1.1. Replacement Parts List

Ref. No.	Model No. PT-D8600U	Base Model No. PT-D8500U	Part Name	Remarks
K5	TXFEN01VJJ2	TGAX014	SHUTTER ASSY	
K6	TKCF013-3	TKCF013-2	SIDE CABINET (RIGHT)	
K7	TKCF014-2	TKCF014-1	SIDE CABINET (LEFT)	
K8	TGAX017	TKGX5009	DMD ASSY	
G16	TPDA0539	TPDA0393	LENS PAD	
G24	TQBJ0079	TQBJ0075	INSTRUCTION BOOK	
K15	TXFED03VJE7	TXFED02VJE7	LENS MOUNT ASSY	
K27	TXFKP01PLAZ	TXFKP01PHWZ	FRONT PANEL ASSY	
K28	TXFKX01PLAZ	TXFKX01PHWZ	REAR PANEL ASSY	
G41	TXFPC01PLAZ	TXFPC01PHWZ	CARTON (UPPER)	
K29	TKGX5010	TKGX5004	OPTICAL BLOCK	
RTL	TXN/FMVJJ2	TXN/FMVJE7	CIRCUIT BOARD FM	

2. Differences between models PT-D8600E and PT-D8500E

2.1. Replacement Parts List

Ref. No.	Model No. PT-D8600E	Base Model No. PT-D8500E	Part Name	Remarks
K5	TXFEN01VJJ2	TGAX014	SHUTTER ASSY	
K6	TKCF013-3	TKCF013-2	SIDE CABINET (RIGHT)	
K7	TKCF014-2	TKCF014-1	SIDE CABINET (LEFT)	
K8	TGAX017	TKGX5009	DMD ASSY	
G16	TPDA0539	TPDA0393	LENS PAD	
G24	TQBJ0080	TQBJ0076	INSTRUCTION BOOK	
	TQZW139	-	INSTRUCTION SHEET	
K15	TXFED03VJE7	TXFED02VJE7	LENS MOUNT ASSY	
K27	TXFKP01PLBZ	TXFKP01PHXZ	FRONT PANEL ASSY	
K28	TXFKX01PLBZ	TXFKX01PHXZ	REAR PANEL ASSY	
G41	TXFPC01PLBZ	TXFPC01PHXZ	CARTON (UPPER)	
K29	TKGX5010	TKGX5004	OPTICAL BLOCK	
RTL	TXN/FMVJJ2	TXN/FMVJE7	CIRCUIT BOARD FM	

3. Interconnection Block Diagram

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4. Operating Instructions

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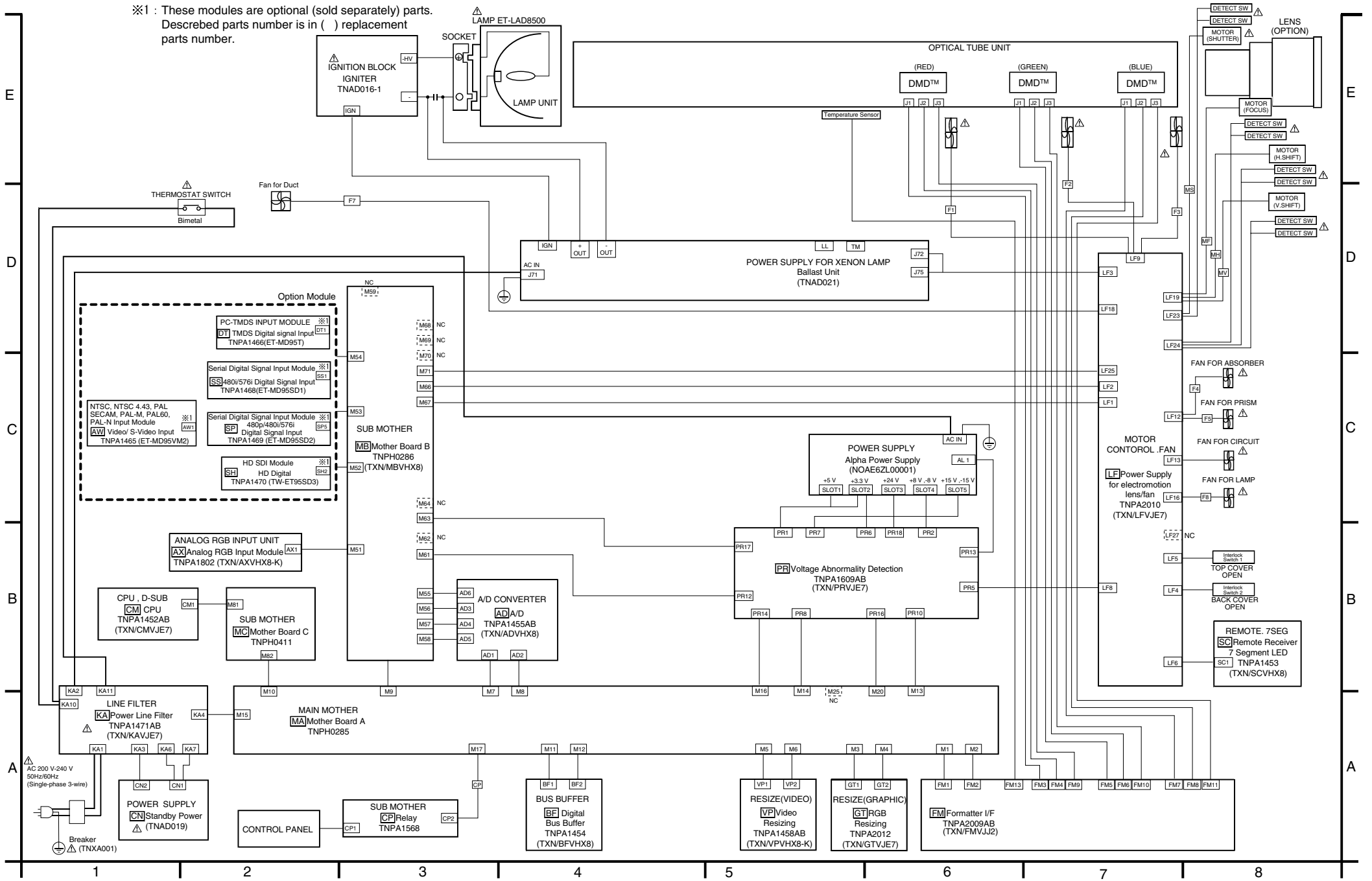

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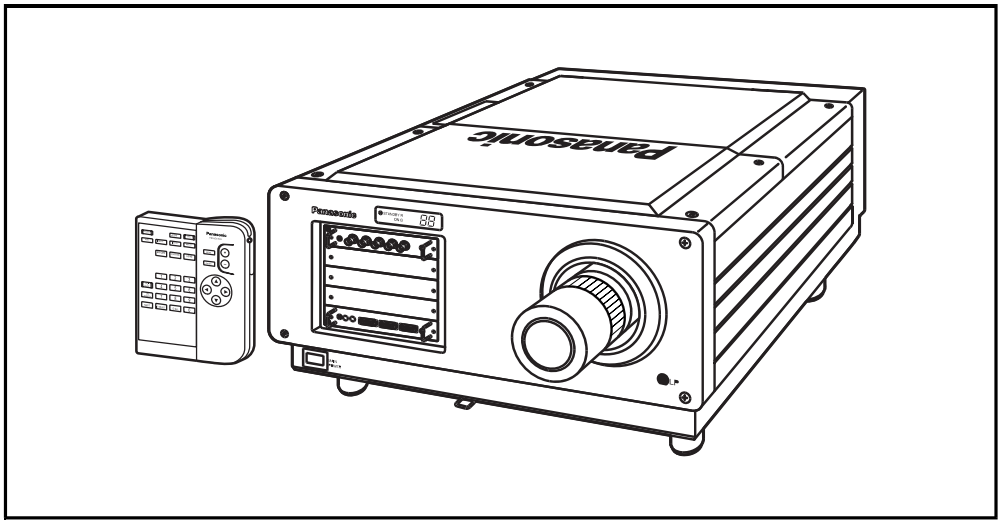
DLP™ based Projector

Models No. **PT-D8600U**

PT-D8600E



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Note:

Because some pages in the user instruction manual are used for this chapter (pages 10 through 12 in this service manual) without change, note that the page numbers shown in the sentences of this chapter are those of the user instruction manual.

Only pages with changes to the "PT-D8500U/PT-D8500E Operating Instructions" are noted in this simplified manual.

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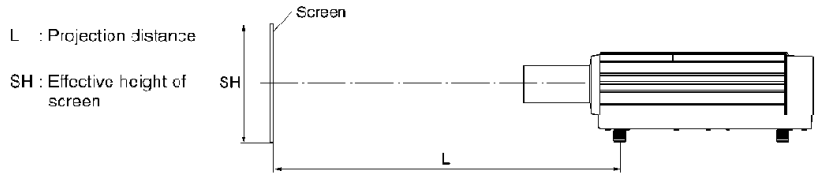
Projection distance for each projection lens (sold separately)

The required projection distance depends on not only the target picture size but also the type of an optional projection lens. Obtain the appropriate projection lens for the installation space by referring to the projection distance for each projection lens shown in the table below and on the next page.



Projection distance measurements (screen aspect ratio : 5:4)

unit: mm (feet/inches)

Picture size	Screen size		Projection distance						
			Zoom lens						Fixed focal lens
	Effective height(SH)	Effective width(SW)	ET-D95LE1 (1.5–2.5 : 1)		ET-D95LE2 (2.5–4.0 : 1)		ET-D95LE3 (4.0–7.0 : 1)		ET-D95LE9 (0.8 : 1)
			Min.	Max.	Min.	Max.	Min.	Max.	
2 540 (100")	1 587 (5'3")	1 983 (6'7")	3 145 (10'4")	5 006 (16'6")	5 078 (16'9")	7 915 (26'0")	7 887 (26'0")	13 603 (44'9")	2 316 (7'8")
3 048 (120")	1 904 (6'3")	2 380 (7'10")	3 731 (12'3")	5 974 (19'8")	6 048 (19'11")	9 465 (31'1")	9 440 (31'1")	16 329 (53'9")	2 729 (9'0")
3 810 (150")	2 380 (7'10")	2 975 (9'10")	4 610 (15'2")	7 426 (24'5")	7 504 (24'8")	11 791 (38'9")	11 793 (38'10")	20 418 (67'2")	3 348 (11'0")
4 572 (180")	2 856 (9'5")	3 570 (11'9")	5 489 (18'1")	8 878 (29'2")	8 959 (29'6")	14 117 (46'5")	14 137 (46'6")	24 507 (80'7")	3 967 (13'1")
5 080 (200")	3 173 (10'6")	3 967 (13'1")	6 075 (20'0")	9 846 (32'5")	9 929 (32'8")	15 667 (51'7")	15 700 (51'8")	27 233 (89'7")	
6 350 (250")	3 967 (13'1")	4 959 (16'4")	7 540 (24'10")	12 267 (40'4")	12 355 (40'8")	19 543 (64'4")	19 606 (64'6")	34 049 (112'0")	
7 620 (300")	4 760 (15'8")	5 950 (19'7")	9 005 (29'7")	14 687 (48'4")	14 781 (48'8")	23 420 (77'0")	23 513 (77'4")	40 864 (134'5")	
8 890 (350")	5 554 (18'3")	6 942 (22'10")	10 470 (34'5")	17 107 (56'3")	17 207 (56'7")	27 296 (89'10")	27 419 (90'2")	47 679 (156'10")	
10 160 (400")	6 347 (20'11")	7 934 (26'1")	11 935 (39'3")	19 527 (64'3")	19 633 (64'7")	31 172 (102'7")	31 326 (103'0")	54 494 (179'3")	
11 430 (450")	7 140 (23'6")	8 925 (29'4")	13 400 (44'1")	21 948 (72'2")	22 059 (75'2")	35 048 (115'4")	35 232 (115'11")	61 310 (201'8")	
12 700 (500")	7 934 (24'6")	9 917 (32'8")	14 866 (48'11")	24 368 (80'2")	24 485 (80'7")	38 925 (128'0")	39 139 (128'9")	68 125 (224'1")	
13 970 (550")	8 727 (28'1")	10 909 (35'11")	16 331 (53'8")	26 788 (88'1")	26 910 (88'6")	42 801 (140'10")	43 045 (141'7")	74 940 (246'6")	
15 240 (600")	9 520 (31'4")	11 900 (39'2")	17 796 (58'6")	29 209 (96'1")	29 336 (96'6")	46 677 (153'7")	46 951 (154'5")	81 756 (268'11")	

Projection distance measurements (screen aspect ratio : 16:9)

unit: mm (feet/inches)

Picture size	Screen size		Projection distance						
			Zoom lens						Fixed focal lens
	Effective height(SH)	Effective width(SW)	ET-D95LE1 (1.5–2.5 : 1)		ET-D95LE2 (2.5–4.0 : 1)		ET-D95LE3 (4.0–7.0 : 1)		ET-D95LE9 (0.8 : 1)
			Min.	Max.	Min.	Max.	Min.	Max.	
2 540 (100")	1 245 (4'1")	2 214 (7'3")	3 486 (11'6")	5 568 (18'4")	5 641 (18'7")	8 815 (29'0")	8 794 (28'11")	15 186 (50'0")	2 556 (8'5")
3 048 (120")	1 494 (4'11")	2 657 (8'9")	4 140 (13'8")	6 648 (22'11")	6 724 (22'1")	10 546 (34'7")	10 538 (34'1")	18 229 (60'0")	3 017 (9'11")
3 810 (150")	1 868 (6'2")	3 321 (10'11")	5 121 (17'3")	8 269 (27'2")	8 349 (27'6")	13 142 (43'3")	13 155 (43'3")	22 793 (75'0")	3 708 (12'2")
4 572 (180")	2 241 (7'4")	3 985 (13'1")	6 102 (20'1")	9 890 (32'6")	9 974 (32'10")	15 737 (51'9")	15 771 (51'11")	27 357 (90'0")	4 399 (14'6")
5 080 (200")	2 491 (8'2")	4 428 (14'6")	6 756 (22'3")	10 971 (36'1")	11 057 (36'5")	17 468 (57'6")	17 515 (57'7")	30 400 (100'0")	
6 350 (250")	3 113 (10'3")	5 535 (18'2")	8 391 (27'7")	13 672 (45'0")	13 764 (45'3")	21 795 (71'8")	21 875 (72'0")	38 007 (125'0")	
7 620 (300")	3 736 (12'3")	6 641 (21'10")	10 027 (33'0")	16 374 (53'11")	16 472 (54'2")	26 121 (85'11")	26 235 (86'4")	45 614 (150'0")	
8 890 (350")	4 358 (14'4")	7 748 (25'5")	11 662 (38'4")	19 075 (62'9")	19 180 (63'1")	30 448 (100'2")	30 595 (100'8")	53 221 (175'1")	
10 160 (400")	4 981 (16'4")	8 855 (29'0")	13 297 (43'9")	21 777 (71'8")	21 887 (72'0")	34 448 (114'5")	34 956 (115'0")	60 828 (200'1")	
11 430 (450")	5 604 (18'5")	9 962 (32'8")	14 932 (49'1")	24 478 (80'6")	24 595 (80'11")	39 101 (128'8")	39 316 (129'4")	68 435 (225'1")	
12 700 (500")	6 226 (20'5")	11 069 (36'4")	16 568 (54'6")	27 180 (89'5")	27 303 (89'10")	43 427 (142'10")	43 676 (143'8")	76 042 (250'2")	
13 970 (550")	6 849 (22'6")	12 176 (40'0")	18 203 (59'11")	29 881 (98'3")	30 010 (98'10")	47 754 (157'1")	48 036 (158'0")	83 648 (275'4")	

NOTE:
- The projection distance listed in the table may have a variation within ± 5 %.
- Keystone (trapezoidal distortion) is compensated to be smaller than the screen size.

Calculation of the projection distance for each projection lens (inches)

If there is no reference made to the require picture size, calculate the projection distance using an expression below after obtaining the diagonal measurement (inch) of the screen you will use.

Model	No. of projection lens	Aspect ratio	Methods of calculation of Projection distance (L) Unit : inches
Zoom lens	ET-D95LE1 (1.5 – 2.5 : 1)	4:3	Min. : L = diagonal of screen(inches) x 1.182 + 8.5 Max. : L = diagonal of screen(inches) x 1.952 + 6.5
		5:4	Min. : L = diagonal of screen(inches) x 1.154 + 8.5 Max. : L = diagonal of screen(inches) x 1.906 + 6.5
		16:9	Min. : L = diagonal of screen(inches) x 1.288 + 8.5 Max. : L = diagonal of screen(inches) x 2.127 + 6.5
	ET-D95LE2 (2.5 – 4.0 : 1)	4:3	Min. : L = diagonal of screen(inches) x 1.957 + 8.9 Max. : L = diagonal of screen(inches) x 3.127 + 6.4
		5:4	Min. : L = diagonal of screen(inches) x 1.910 + 8.9 Max. : L = diagonal of screen(inches) x 3.052 + 6.4
		16:9	Min. : L = diagonal of screen(inches) x 2.132 + 8.9 Max. : L = diagonal of screen(inches) x 3.407 + 6.4
	ET-D95LE3 (4.0 – 7.0 : 1)	4:3	Min. : L = diagonal of screen(inches) x 3.151 + 2.9 Max. : L = diagonal of screen(inches) x 5.498 - 1.1
		5:4	Min. : L = diagonal of screen(inches) x 3.076+ 2.9 Max. : L = diagonal of screen(inches) x 5.366 - 1.1
		16:9	Min. : L = diagonal of screen(inches) x 3.433 + 2.9 Max. : L = diagonal of screen(inches) x 5.990 + 1.1
Fixed focal lens	ET-D95LE9 (0.8 : 1)	4:3	L = 0.833 x diagonal of screen(inches) + 9.9
		5:4	L = 0.813 x diagonal of screen(inches) + 9.9
		16:9	L = 0.907 x diagonal of screen(inches) + 9.9

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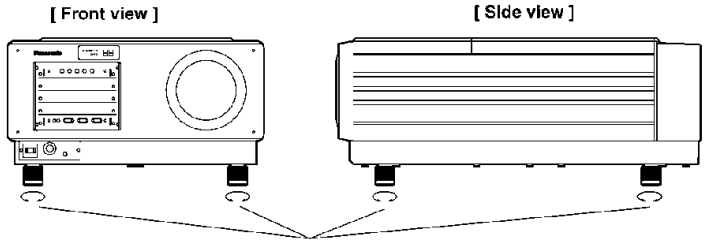
Calculation of the projection distance for each projection lens (mm)

If there is no reference made to the require picture size, calculate the projection distance using an expression below after obtaining the diagonal measurement (inch) of the screen you will use.

Model No. of projection lens		Aspect ratio	Methods of calculation of Projection distance (L) Unit : mm
Zoom lens	ET-D95LE1 (1.5 – 2.5 : 1)	4:3	Min. : L = diagonal of screen(inches) x 30.019 + 215 Max. : L = diagonal of screen(inches) x 49.592 + 165
		5:4	Min. : L = diagonal of screen(inches) x 29.301 + 215 Max. : L = diagonal of screen(inches) x 48.406 + 165
		16:9	Min. : L = diagonal of screen(inches) x 32.705 + 215 Max. : L = diagonal of screen(inches) x 54.029 + 165
	ET-D95LE2 (2.5 – 4.0 : 1)	4:3	Min. : L = diagonal of screen(inches) x 49.706 + 226 Max. : L = diagonal of screen(inches) x 79.424 + 162
		5:4	Min. : L = diagonal of screen(inches) x 48.517 + 226 Max. : L = diagonal of screen(inches) x 77.525 + 162
		16:9	Min. : L = diagonal of screen(inches) x 54.153 + 226 Max. : L = diagonal of screen(inches) x 86.530 + 162
	ET-D95LE3 (4.0 – 7.0 : 1)	4:3	Min. : L = diagonal of screen(inches) x 80.043 + 74 Max. : L = diagonal of screen(inches) x 139.645 - 28
		5:4	Min. : L = diagonal of screen(inches) x 78.129 + 74 Max. : L = diagonal of screen(inches) x 136.306 - 28
		16:9	Min. : L = diagonal of screen(inches) x 87.204 + 74 Max. : L = diagonal of screen(inches) x 152.139 - 28
Fixed focal lens	ET-D95LE9 (0.8 : 1)	4:3	L = 21.146 x diagonal of screen(inches) + 252
		5:4	L – 20.640 x diagonal of screen(inches) – 252
		16:9	L – 23.038 x diagonal of screen(inches) – 252

Adjusting projector feet

The four feet on the bottom of the projector are adjustable for the height (0 mm / 0" to 25 mm / 1") and can be used for its adjustment when the installation position is not level.



Adjustment Item	Operation	Adjustment Details
SHARPNESS H	Makes the horizontal contours sharper.	Nine steps from OFF to 8 (factory default : 2) A larger value causes a greater effect
SHARPNESS V	Makes the vertical contours sharper.	Four steps from OFF to 3 (factory default : 2) A larger value causes a greater effect
NR (Noise Reduction)	Selects the noise reduction effectiveness.	OFF: No correction 1 : Weak 2 : Medium (factory default) 3 : Strong A larger value causes a greater effect
GAMMA MODE	Selects the gamma mode.	Eight steps from 0 to 7 (factory default : 6) The only setting 6, 7 allows the COLOR TEMP adjustment and color matching adjustment.
FILTER	Use this adjustment to select interpolation filter settings for signals other than SXGA.	Five types from 0 to 4 (factory default : 2) 0 : Gives priority to contrast. 4 : Restricts the loss in picture information to a minimum.
FRAME RATE	Use this adjustment to choose the best frame rate conversion for minimum flicker on individual HDTV signal input.	24p ⟶ 60p / 24p ⟶ 24p (factory default: 24p ⟶ 60p) 25p ⟶ 50p / 25p ⟶ 25p (factory default: 25p ⟶ 50p) 30p ⟶ 60p / 30p ⟶ 30p (factory default: 30p ⟶ 60p)
PAL CINEMA	Use this adjustment to further enhance vertical resolution when a 576i PAL (or SECAM) signal is applied.	OFF: Normal ON : Effect On (see the following notes.)

NOTE

- SHARPNESS V and NR (noise reduction) settings cannot be adjusted for analog RGB input and TMDS input.
- The FILTER adjustment is ineffective for SXGA (1 280 x 1 024) mode. It is also ineffective for any video input mode other than analog RGB and TMDS modes, or if "THROUGH" is chosen for the SIZE mode (see page 57).
- FRAME RATE is effective only for analog RGB, HD serial, 1080/30p, 1080/25p, 1080/24p, and 1080/24sF video signal formats.
- PAL CINEMA is effective only for the 576i PAL (or SECAM) standard.
- PAL CINEMA will cause degraded picture quality (lowered vertical resolution) if used for signals other than those pulled down at a 2:2 ratio.
- For 480p, 480i or 576i scan format, SHARPNESS H defaults to 7.

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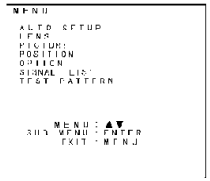
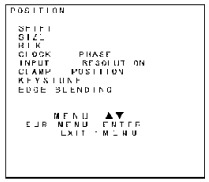
Adjusting the picture size

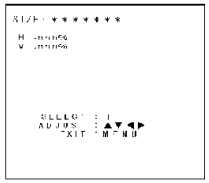
Adjustment procedure



①Press the MENU button. ... The MENU screen will be displayed.
②Press the UP (▲) and DOWN (▼) arrow buttons to select POSITION.



③Press the ENTER button. ... The POSITION screen will be displayed.
④Press the UP (▲) and DOWN (▼) arrow buttons to select SIZE.



⑤Press the ENTER button. ... The SIZE screen will be displayed.
⑥Press the control level buttons (+ and −) to select the desired size mode from those indicated below.
DEFAULT, THROUGH, H-FIT, V-FIT, HV-FIT, ZOOM
• "4:3", "16:9" ----- Modes other than the analog RGB or TMDS input allow the selection.

Size modes

DEFAULT ...The input signal is projected with the aspect ratio unchanged.
THROUGH ..The input signal is projected with the resolution unchanged.
H-Fit .....The input signal is projected with all horizontal panel picture elements used.
For signals with a aspect ratio which is vertically longer than 5:4 the top and bottom edges of the picture are cropped.
V-Fit .....The input signal is projected with all vertical panel picture elements used.
For signals with a aspect ratio which is horizontally longer than 5:4, the left and right edges of the picture are cropped.
HV-Fit .....The input signal is converted to an aspect ratio of 5:4.
For signals with an aspect ratio other than 5:4 circles in the picture become distorted, etc.
ZOOM .....The enlargement ratio of the picture is changed. The enlargement ratio in both the horizontal and vertical directions can be changed to between 50 % and 999 %(except analog RGB, TMDS input), between 75 % and 999 %(up to SXGA of analog RGB, TMDS input),between 100 % and 999 %(UXGA of analog RGB, TMDS input) with the top-left corner of the screen as the reference point.
4:3 .....The input signal is projected with the aspect ratio 4:3.
16:9 .....The input signal is projected with the aspect ratio 16:9.

• An overscan of 7 % is applied to all modes other than analog RGB input and TMDS input.

Screen examples for different size settings

INPUT PICTURE / SIZE SETTING	8 : 5 (640 × 400)	4 : 3 (1152 × 864)	5 : 4 (1280 × 1024)
Default	The picture is displayed at maximum size while maintaining the original aspect.		
Through			
H-Fit			
V-Fit			
HV-Fit			

* If the picture extends outside the screen, the top-left corner is used as the reference point.

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